

V-Soft Communications Population Report

W13CC (13-) Savannah, GA

TV Incoming Interference Study

Signal Resolution: 2 km

Consider NTSC Taboo: Yes

KWX error points are considered to be interference free coverage.

of radials computed for contours: 72

Contours calculated using 8 radial HAAT.

LR Profile Spacing Increment: 1.0 km

Interference considered within the reference station's 68 dBu FCC countour.

Using NTSC lptv/translators D/U rules.

Threshold for reception: 68.0

Study Date: 1/29/01

Percentages calculated using a baseline population of 95,254.

Stations considered which do not cause interference:

WTLV-D.A (13)

WTLV-D.C (13)

WGMP-L (13-)

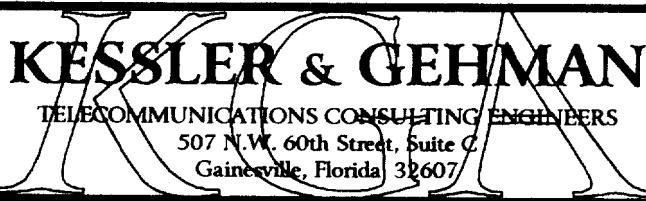
WMAZTV (13+)

WTLV-D.R (13)

Stations which were not considered:

WVAN-DT PFRM (13)

Call Letters	City	State	Dist	Bear
WTLV-D.A (13)	Jacksonville	FL	200.7	191.9
WTLV-D.C (13)	Jacksonville	FL	200.7	191.9
WGMP-L (13-)	Valdosta	GA	246.8	237.8
WMAZTV (13+)	Macon	GA	242.2	289.5
WTLV-D.R (13)	JACKSONVILLE	FL	200.7	191.9
WVAN-DT PFRM(13)	Savannah	GA	48.1	283.7



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Totals for W13CC (13-)

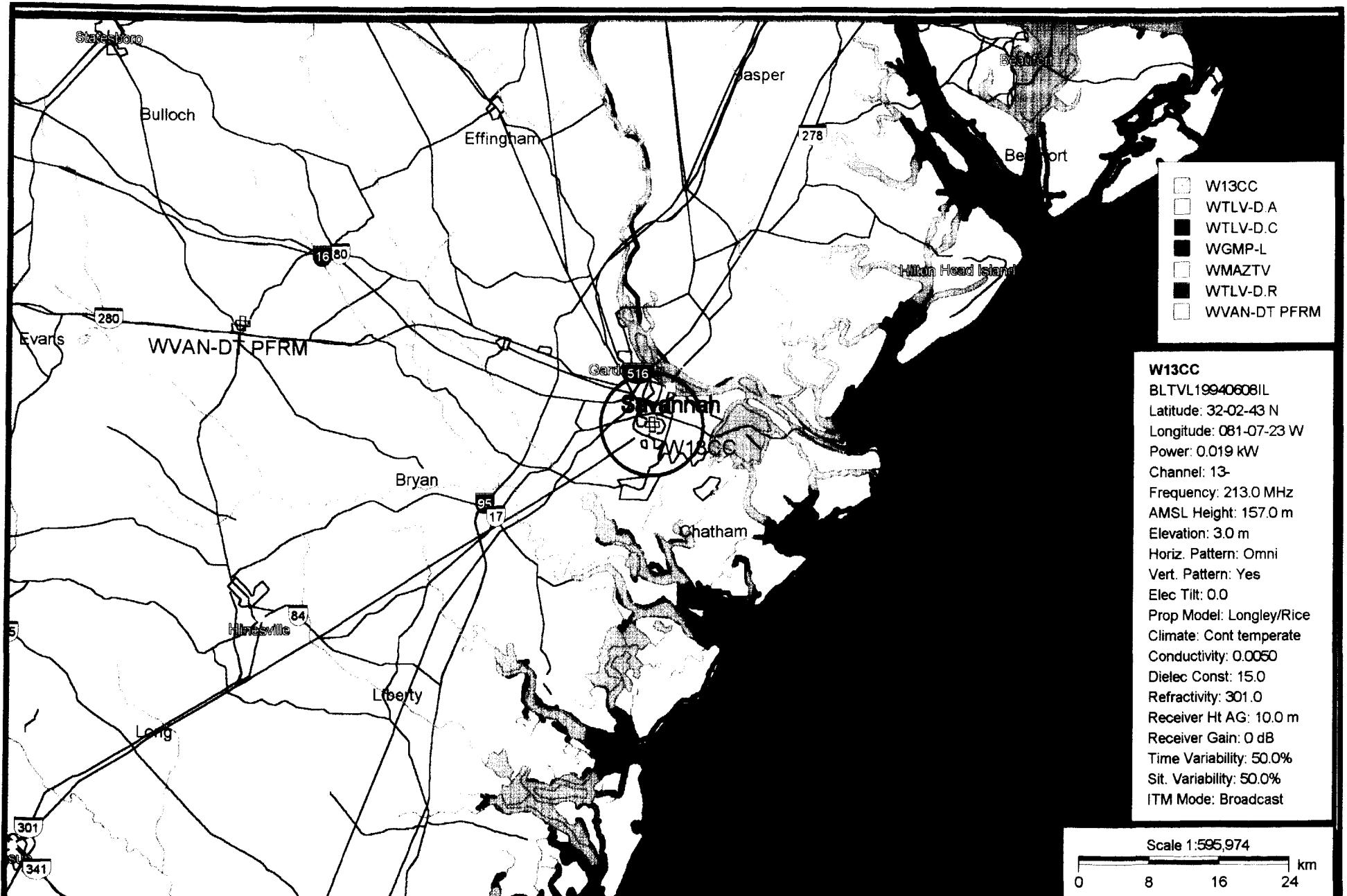
Calculation Area Population:	101,188	(107.6 sq. km)
Not Affected by Terrain Loss:	101,188	(107.6 sq. km)
Total NTSC Interference:	0	(	0.0 sq. km)
DTV Only Interference:	0	(	0.0 sq. km)
Total DTV Interference:	0	(	0.0 sq. km)
Interfered Population:	0	(	0.0 sq. km)
Interference Free:	101,188	(	107.6 sq. km)
Percent Interference:	0.00		
Terrain Blocked Population:	0	(0.0 sq. km)
Contour Area Population:	95,254		



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V-Soft Communications Population Report

W13CC (13-) Savannah, GA
TV Incoming Interference Study
Signal Resolution: 2 km
Consider NTSC Taboo: Yes
KWX error points are considered to be interference free coverage.
of radials computed for contours: 72
Contours calculated using 8 radial HAAT.
LR Profile Spacing Increment: 1.0 km
Interference considered within the reference station's 68 dBu FCC countour.
Using NTSC lptv/translators D/U rules.
Threshold for reception: 68.0

Study Date: 1/29/01

Percentages calculated using a baseline population of 95,254.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WVAN-DT PFRM (13)	44920	101188	106.230	107.57

Masking Summary:

Call Letters	Total Interference Population	%	Unique Interference Population	%
WVAN-DT PFRM (13)	101188	106.230	101188	106.230

Stations considered which do not cause interference:

WTLV-D.A (13)
WTLV-D.C (13)
WGMP-L (13-)
WMAZTV (13+)
WTLV-D.R (13)

Call Letters	City	State	Dist	Bear
WTLV-D.A (13)	Jacksonville	FL	200.7	191.9
WTLV-D.C (13)	Jacksonville	FL	200.7	191.9
WGMP-L (13-)	Valdosta	GA	246.8	237.8
WMAZTV (13+)	Macon	GA	242.2	289.5
WTLV-D.R (13)	JACKSONVILLE	FL	200.7	191.9
WVAN-DT PFRM (13)	Savannah	GA	48.1	283.7

Totals for W13CC (13-)

Calculation Area Population:	101,188	(	107.6 sq. km)
Not Affected by Terrain Loss:	101,188	(	107.6 sq. km)
Total NTSC Interference:	0	(	0.0 sq. km)
DTV Only Interference:	101,188	(	107.6 sq. km)
Total DTV Interference:	101,188	(	107.6 sq. km)
Interfered Population:	101,188	(	107.6 sq. km)
Interference Free:	0	(	0.0 sq. km)

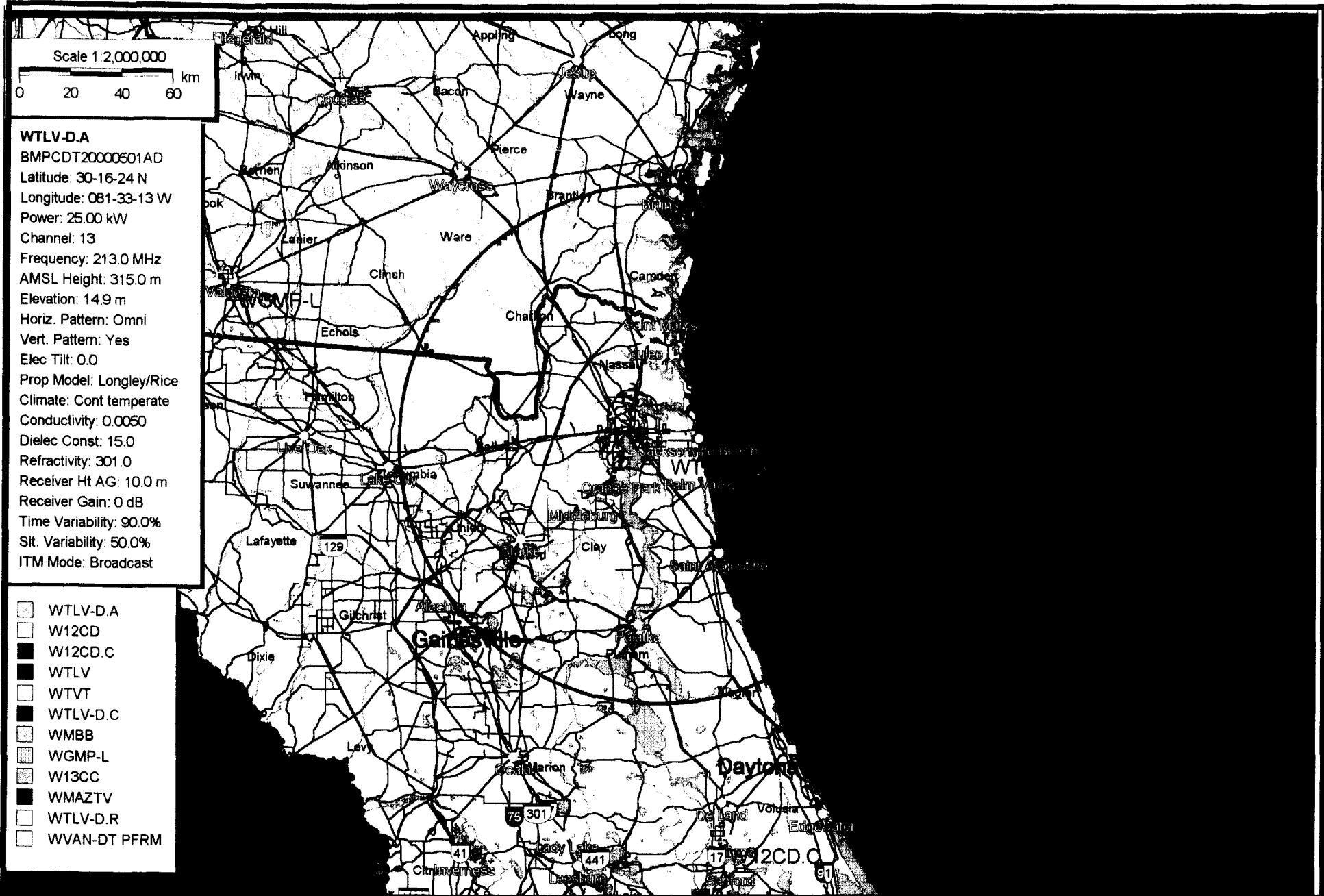
Percent Interference: 106.23

Terrain Blocked Population:	0	(0.0 sq. km)
Contour Area Population:	95,254		



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V-Soft Communications Population Report

WTLV-D.A (13) Jacksonville, FL
TV Incoming Interference Study
Signal Resolution: 2 km
Consider NTSC Taboo: Yes
KWX error points are considered to be interference free coverage.
of radials computed for contours: 72
Contours calculated using 8 radial HAAT.
LR Profile Spacing Increment: 1.0 km
Interference considered within the reference station's noise limited contour.
Using NTSC lptv/translators D/U rules.
Threshold for reception: 36.0

Study Date: 1/29/01

Percentages calculated using a baseline population of 1,155,221.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WTVT (13-)	10309	21275	1.842	428.23
WMBB (13Z)	1271	2827	0.245	113.94
WMAZTV (13+)	103	257	0.022	62.95

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
WTVT (13-)	21275	1.842	18448	1.597
WMBB (13Z)	2827	0.245	0	0.000
WMAZTV (13+)	257	0.022	0	0.000

Stations considered which do not cause interference:

W12CD.C (12-)
WTLV (12+)
WGMP-L (13-)
W13CC (13-)

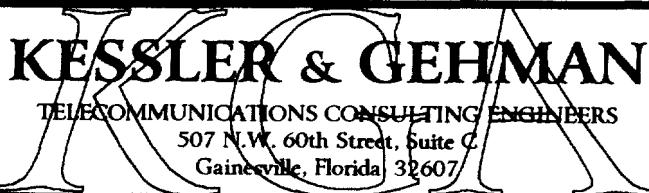
Stations which were not considered:

W12CD (12-)
WTLV-D.C (13)
WTLV-D.R (13)
WVAN-DT PFRM (13)

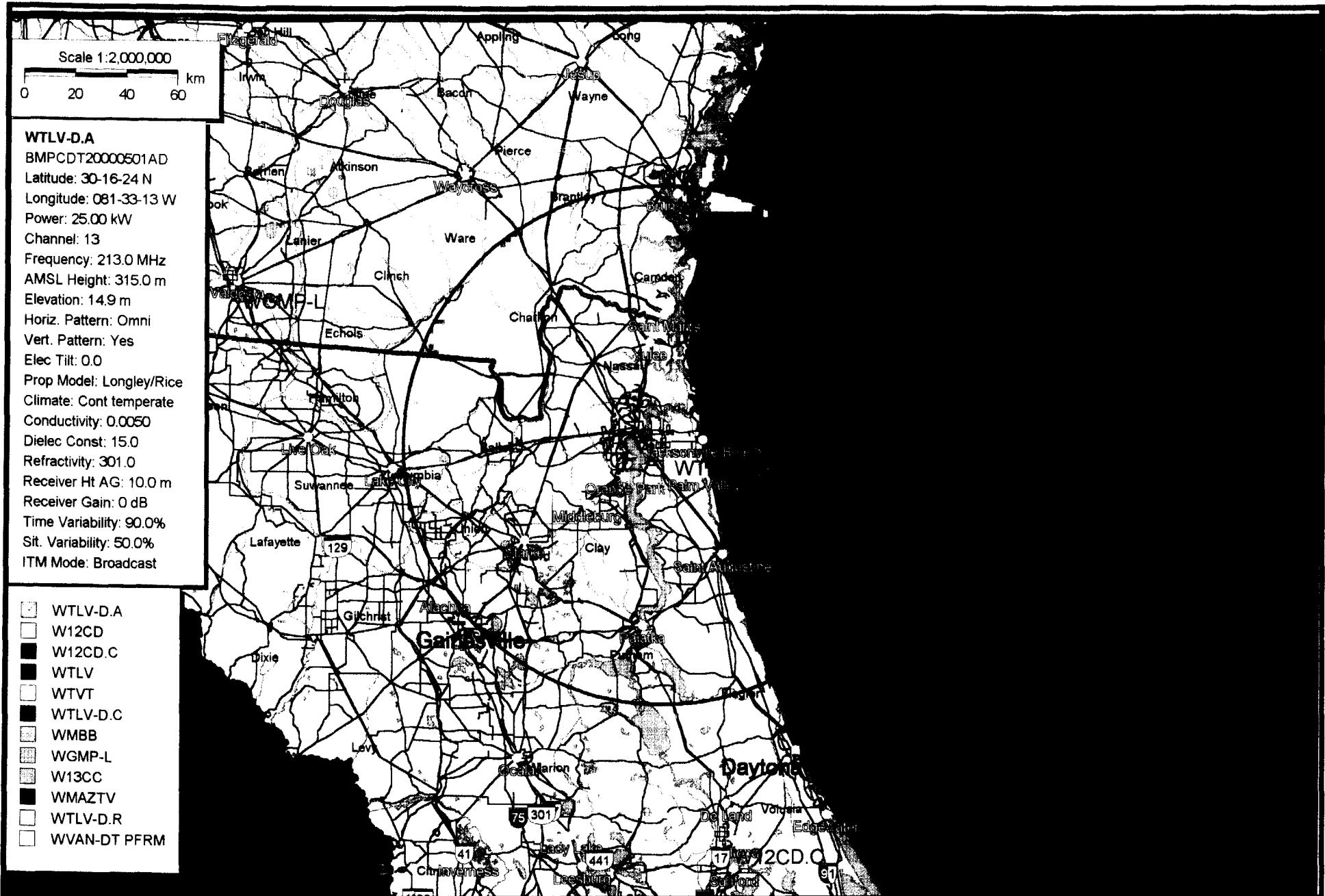
Call Letters	City	State	Dist	Bear
W12CD (12-)	Altamonte Springs	FL	151.6	171.3
W12CD.C (12-)	Altamonte Springs	FL	151.6	171.3
WTLV (12+)	Jacksonville	FL	0.0	180.0
WTVT (13-)	Tampa	FL	280.1	194.0
WTLV-D.C (13)	Jacksonville	FL	0.0	180.0
WMBB (13Z)	Panama City	FL	369.1	272.3
WGMP-L (13-)	Valdosta	GA	179.6	291.0
W13CC (13-)	Savannah	GA	200.7	11.7
WMAZTV (13+)	Macon	GA	334.4	325.8
WTLV-D.R (13)	JACKSONVILLE	FL	0.0	180.0
WVAN-DT PFRM (13)	Savannah	GA	207.8	358.3

Totals for WTLV-D.A (13)

Calculation Area Population:	1,152,207	(31472.6 sq. km)
Not Affected by Terrain Loss:	1,151,929	(31443.0 sq. km)
Total NTSC Interference:	21,275	(487.0 sq. km)
DTV Only Interference:	0	(0.0 sq. km)
Total DTV Interference:	0	(0.0 sq. km)
Interfered Population:	21,275	(487.0 sq. km)
Interference Free:	1,130,654	(30956.0 sq. km)
Percent Interference:	1.84	
Terrain Blocked Population:	278	(29.6 sq. km)
Contour Area Population:	1,155,221	



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V-Soft Communications Population Report

WTLV-D.A (13) Jacksonville, FL
TV Incoming Interference Study
Signal Resolution: 2 km
Consider NTSC Taboo: Yes
KWX error points are considered to be interference free coverage.
of radials computed for contours: 72
Contours calculated using 8 radial HAAT.
LR Profile Spacing Increment: 1.0 km
Interference considered within the reference station's noise limited contour.
Using NTSC lptv/translators D/U rules.
Threshold for reception: 36.0

Study Date: 1/29/01

Percentages calculated using a baseline population of 1,155,221.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WTVT (13-)	10309	21275	1.842	428.23
WMBB (13Z)	1271	2827	0.245	113.94
WMAZTV (13+)	103	257	0.022	62.95
WVAN-DT PFRM (13)	12828	26002	2.251	665.18

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
WTVT (13-)	21275	1.842	14477	1.253
WMBB (13Z)	2827	0.245	0	0.000
WMAZTV (13+)	257	0.022	0	0.000
WVAN-DT PFRM (13)	26002	2.251	22031	1.907

Stations considered which do not cause interference:

W12CD.C (12-)
WTLV (12+)
WGMP-L (13-)
W13CC (13-)

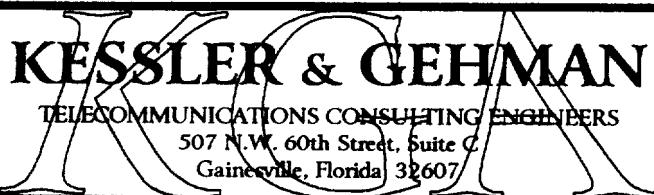
Stations which were not considered:

W12CD (12-)
WTLV-D.C (13)
WTLV-D.R (13)

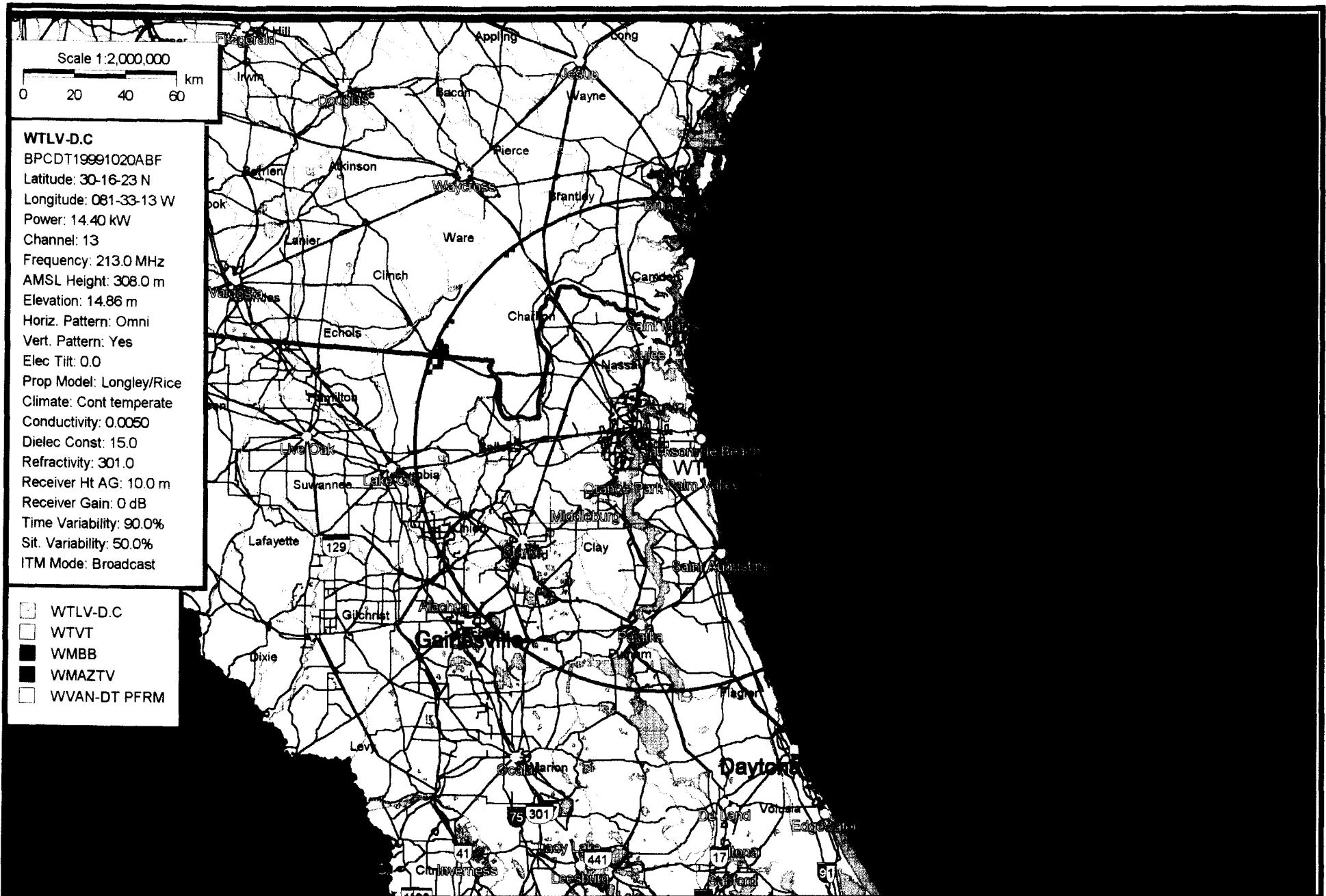
Call Letters	City	State	Dist	Bear
W12CD (12-)	Altamonte Springs	FL	151.6	171.3
W12CD.C (12-)	Altamonte Springs	FL	151.6	171.3
WTLV (12+)	Jacksonville	FL	0.0	180.0
WTVT (13-)	Tampa	FL	280.1	194.0
WTLV-D.C (13)	Jacksonville	FL	0.0	180.0
WMBB (13Z)	Panama City	FL	369.1	272.3
WGMP-L (13-)	Valdosta	GA	179.6	291.0
W13CC (13-)	Savannah	GA	200.7	11.7
WMAZTV (13+)	Macon	GA	334.4	325.8
WTLV-D.R (13)	JACKSONVILLE	FL	0.0	180.0
WVAN-DT PFRM (13)	Savannah	GA	207.8	358.3

Totals for WTLV-D.A (13)

Calculation Area Population:	1,152,207	(31472.6 sq. km)
Not Affected by Terrain Loss:	1,151,929	(31443.0 sq. km)
Total NTSC Interference:	21,275	(487.0 sq. km)
DTV Only Interference:	22,031	(580.7 sq. km)
Total DTV Interference:	26,002	(665.2 sq. km)
Interfered Population:	43,306	(1067.7 sq. km)
Interference Free:	1,108,623	(30375.3 sq. km)
 Percent Interference:	3.75	
 Terrain Blocked Population:	278	(29.6 sq. km)
Contour Area Population:	1,155,221	



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EXHIBIT 17

V-Soft Communications Population Report

WTLV-D.C (13) Jacksonville, FL
TV Incoming Interference Study
Signal Resolution: 2 km
Consider NTSC Taboo: Yes
KWX error points are considered to be interference free coverage.
of radials computed for contours: 72
Contours calculated using 8 radial HAAT.
LR Profile Spacing Increment: 1.0 km
Interference considered within the reference station's noise limited contour.
Using NTSC lptv/translators D/U rules.
Threshold for reception: 36.0

Study Date: 1/29/01

Percentages calculated using a baseline population of 1,094,056.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WTVT (13-)	3591	7284	0.666	500.05
WMBB (13Z)	397	933	0.085	156.05
WMAZTV (13+)	0	0	0.000	71.38

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
WTVT (13-)	7284	0.666	6351	0.581
WMBB (13Z)	933	0.085	0	0.000
WMAZTV (13+)	0	0.000	0	0.000

Stations which were not considered:

WVAN-DT PFRM (13)

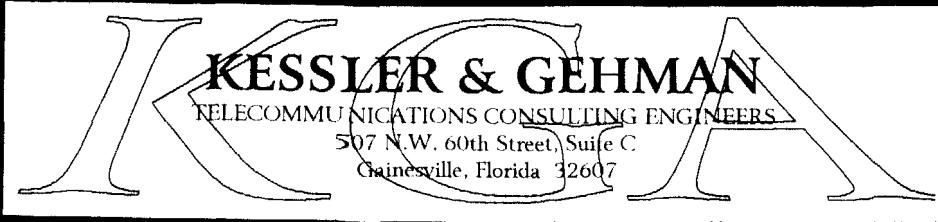
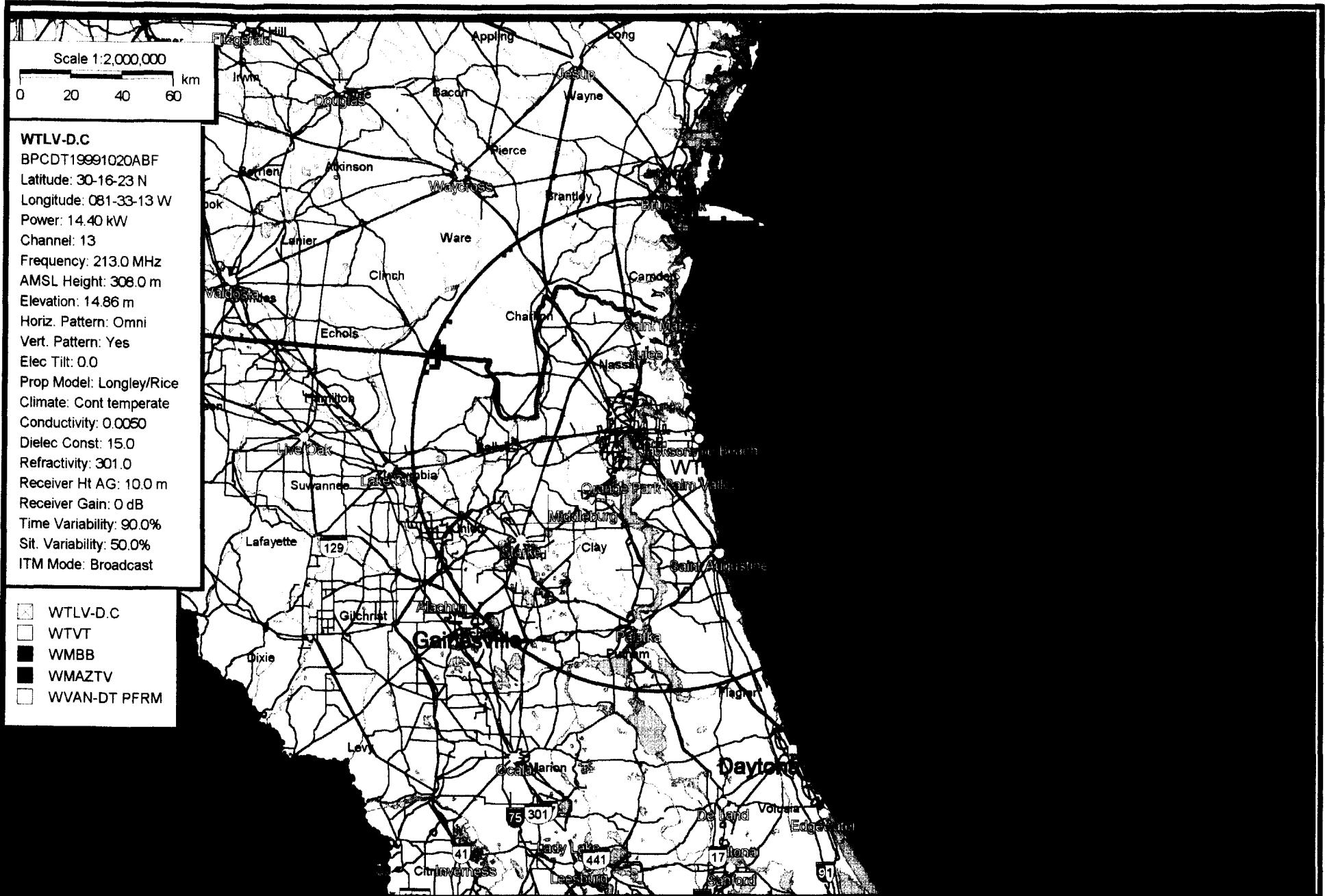
Call Letters	City	State	Dist	Bear
WTVT (13-)	Tampa	FL	280.1	194.0
WMBB (13Z)	Panama City	FL	369.1	272.3
WMAZTV (13+)	Macon	GA	334.4	325.8
WVAN-DT PFRM (13)	Savannah	GA	207.8	358.3

Totals for WTLV-D.C (13)

Calculation Area Population:	1,094,123	(28519.0 sq. km)
Not Affected by Terrain Loss:	1,093,769	(28480.9 sq. km)
Total NTSC Interference:	7,284	(575.6 sq. km)
DTV Only Interference:	0	(0.0 sq. km)
Total DTV Interference:	0	(0.0 sq. km)
Interfered Population:	7,284	(575.6 sq. km)
Interference Free:	1,086,485	(27905.3 sq. km)
Percent Interference:	0.67	
Terrain Blocked Population:	354	(38.1 sq. km)
Contour Area Population:	1,094,056	



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V-Soft Communications Population Report

WTLV-D.C (13) Jacksonville, FL
TV Incoming Interference Study
Signal Resolution: 2 km
Consider NTSC Taboo: Yes
KWX error points are considered to be interference free coverage.
of radials computed for contours: 72
Contours calculated using 8 radial HAAT.
LR Profile Spacing Increment: 1.0 km
Interference considered within the reference station's noise limited contour.
Using NTSC lptv/translators D/U rules.
Threshold for reception: 36.0

Study Date: 1/29/01

Percentages calculated using a baseline population of 1,094,056.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WTVT (13-)	3591	7284	0.666	500.05
WMBB (13Z)	397	933	0.085	156.05
WMAZTV (13+)	0	0	0.000	71.38
WVAN-DT PFRM (13)	1719	3044	0.278	468.67

Masking Summary:

Call Letters	Total Interference			Unique Interference	
	Population	%	Population	%	
WTVT (13-)	7284	0.666	6214	0.568	
WMBB (13Z)	933	0.085	0	0.000	
WMAZTV (13+)	0	0.000	0	0.000	
WVAN-DT PFRM (13)	3044	0.278	2903	0.265	

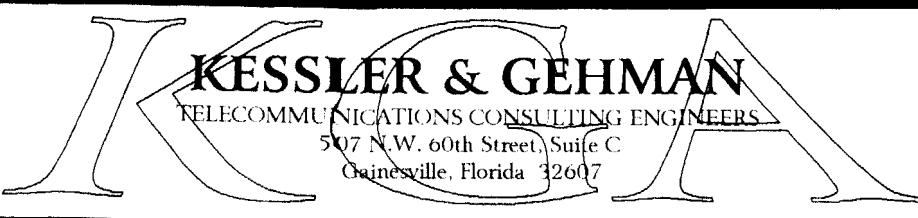
Call Letters	City	State	Dist	Bear
WTVT (13-)	Tampa	FL	280.1	194.0
WMBB (13Z)	Panama City	FL	369.1	272.3
WMAZTV (13+)	Macon	GA	334.4	325.8
WVAN-DT PFRM (13)	Savannah	GA	207.8	358.3

Totals for WTLV-D.C (13)

Calculation Area Population:	1,094,123	(28519.0 sq. km)
Not Affected by Terrain Loss:	1,093,769	(28480.9 sq. km)
Total NTSC Interference:	7,284	(575.6 sq. km)
DTV Only Interference:	2,903	(401.2 sq. km)
Total DTV Interference:	3,044	(468.7 sq. km)
Interfered Population:	10,187	(976.8 sq. km)
Interference Free:	1,083,582	(27504.1 sq. km)
Percent Interference:	0.93	
Terrain Blocked Population:	354	(38.1 sq. km)
Contour Area Population:	1,094,056	



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WVAN-DT CHANNEL 13

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EXHIBIT 19

V-Soft Communications Population Report

WTLV-D.R (13) JACKSONVILLE, FL
TV Incoming Interference Study
Signal Resolution: 2 km
Consider NTSC Taboo: Yes
KWX error points are considered to be interference free coverage.
of radials computed for contours: 72
Contours calculated using 8 radial HAAT.
LR Profile Spacing Increment: 1.0 km
Interference considered within the reference station's noise limited contour.
Using NTSC lptv/translators D/U rules.
Threshold for reception: 36.0

Study Date: 1/29/01

Percentages calculated using a baseline population of 1,092,864.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WTVT (13-)	3896	7784	0.712	555.08
WMBB (13Z)	401	942	0.086	168.71
WMAZTV (13+)	0	0	0.000	83.97

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
WTVT (13-)	7784	0.712	6842	0.626
WMBB (13Z)	942	0.086	0	0.000
WMAZTV (13+)	0	0.000	0	0.000

Stations considered which do not cause interference:

W12CD.C (12-)
WTLV (12+)
WGMP-L (13-)
W13CC (13-)
WMAZTV (13+)

Stations which were not considered:

W12CD (12-)
WVAN-DT PFRM (13)



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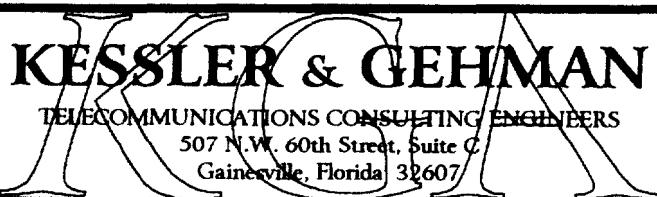
SAVANNAH, GA

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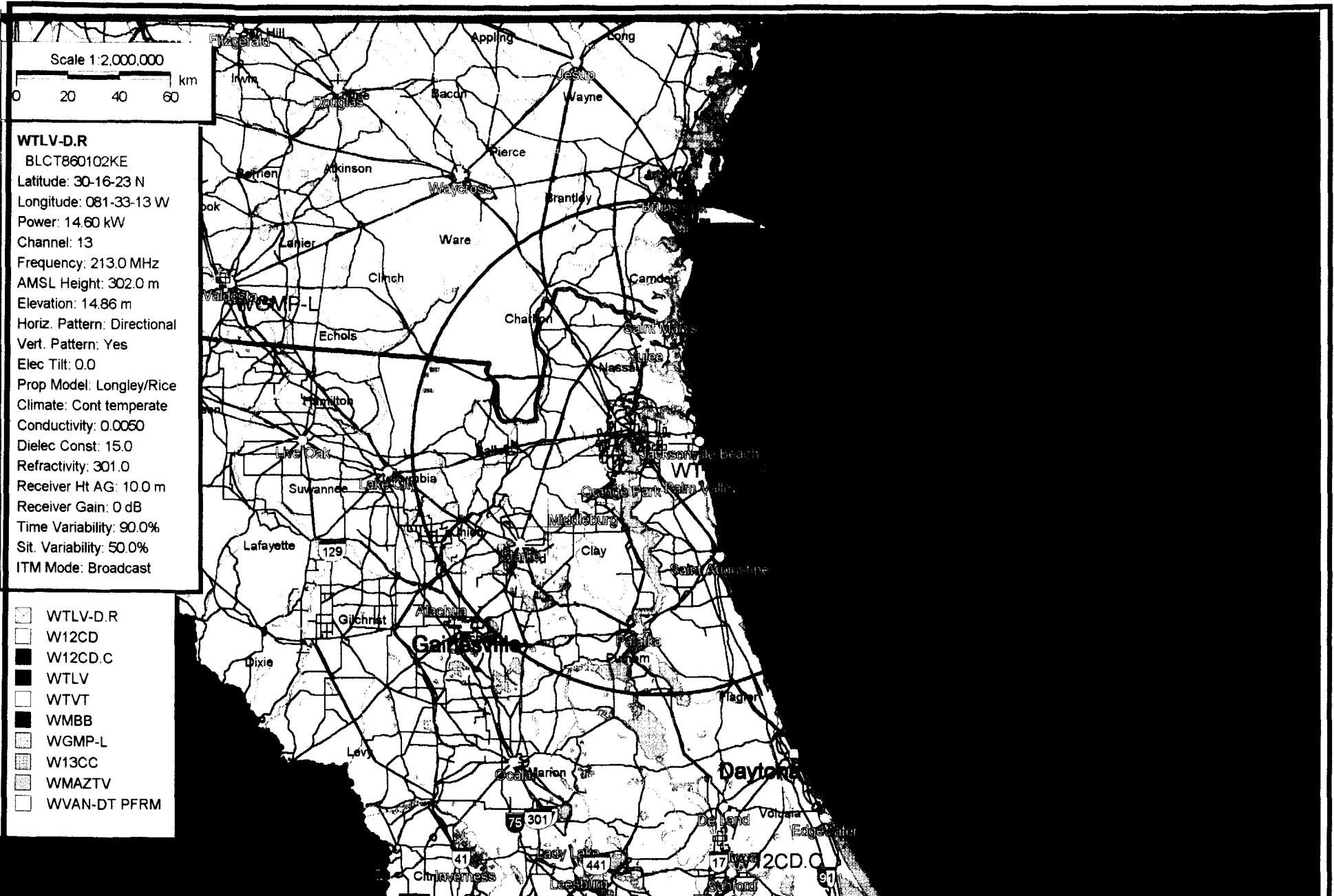
Call Letters	City	State	Dist	Bear
W12CD (12-)	Altamonte Springs	FL	151.6	171.3
W12CD.C (12-)	Altamonte Springs	FL	151.6	171.3
WTLV (12+)	Jacksonville	FL	0.0	0.0
WTVT (13-)	Tampa	FL	280.1	194.0
WMBB (13Z)	Panama City	FL	369.1	272.3
WGMP-L (13-)	Valdosta	GA	179.7	291.0
W13CC (13-)	Savannah	GA	200.7	11.7
WMAZTV (13+)	Macon	GA	334.4	325.8
WVAN-DT PFRM (13)	Savannah	GA	207.8	358.3

Totals for WTLV-D.R (13)

Calculation Area Population:	1,092,783	(	28338.1	sq. km)
Not Affected by Terrain Loss:	1,092,410	(	28295.7	sq. km)
Total NTSC Interference:	7,784	(	630.6	sq. km)
DTV Only Interference:	0	(	0.0	sq. km)
Total DTV Interference:	0	(	0.0	sq. km)
Interfered Population:	7,784	(	630.6	sq. km)
Interference Free:	1,084,626	(	27665.1	sq. km)
Percent Interference:	0.71			
Terrain Blocked Population:	373	(42.3	sq. km)
Contour Area Population:	1,092,864			



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WVAN-DT CHANNEL 13

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EXHIBIT 20

V-Soft Communications Population Report

WTLV-D.R (13) JACKSONVILLE, FL

TV Incoming Interference Study

Signal Resolution: 2 km

Consider NTSC Taboo: Yes

KWX error points are considered to be interference free coverage.

of radials computed for contours: 72

Contours calculated using 8 radial HAAT.

LR Profile Spacing Increment: 1.0 km

Interference considered within the reference station's noise limited contour.

Using NTSC lptv/translators D/U rules.

Threshold for reception: 36.0

Study Date: 1/29/01

Percentages calculated using a baseline population of 1,092,864.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WTVT (13-)	3896	7784	0.712	555.08
WMBB (13Z)	401	942	0.086	168.71
WMAZTV (13+)	0	0	0.000	83.97
WVAN-DT PFRM (13)	1243	1978	0.181	468.68

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
WTVT (13-)	7784	0.712	6839	0.626
WMBB (13Z)	942	0.086	0	0.000
WMAZTV (13+)	0	0.000	0	0.000
WVAN-DT PFRM (13)	1978	0.181	1971	0.180

Stations considered which do not cause interference:

W12CD.C (12-)

WTLV (12+)

WGMP-L (13-)

W13CC (13-)

WMAZTV (13+)

Stations which were not considered:

W12CD (12-)

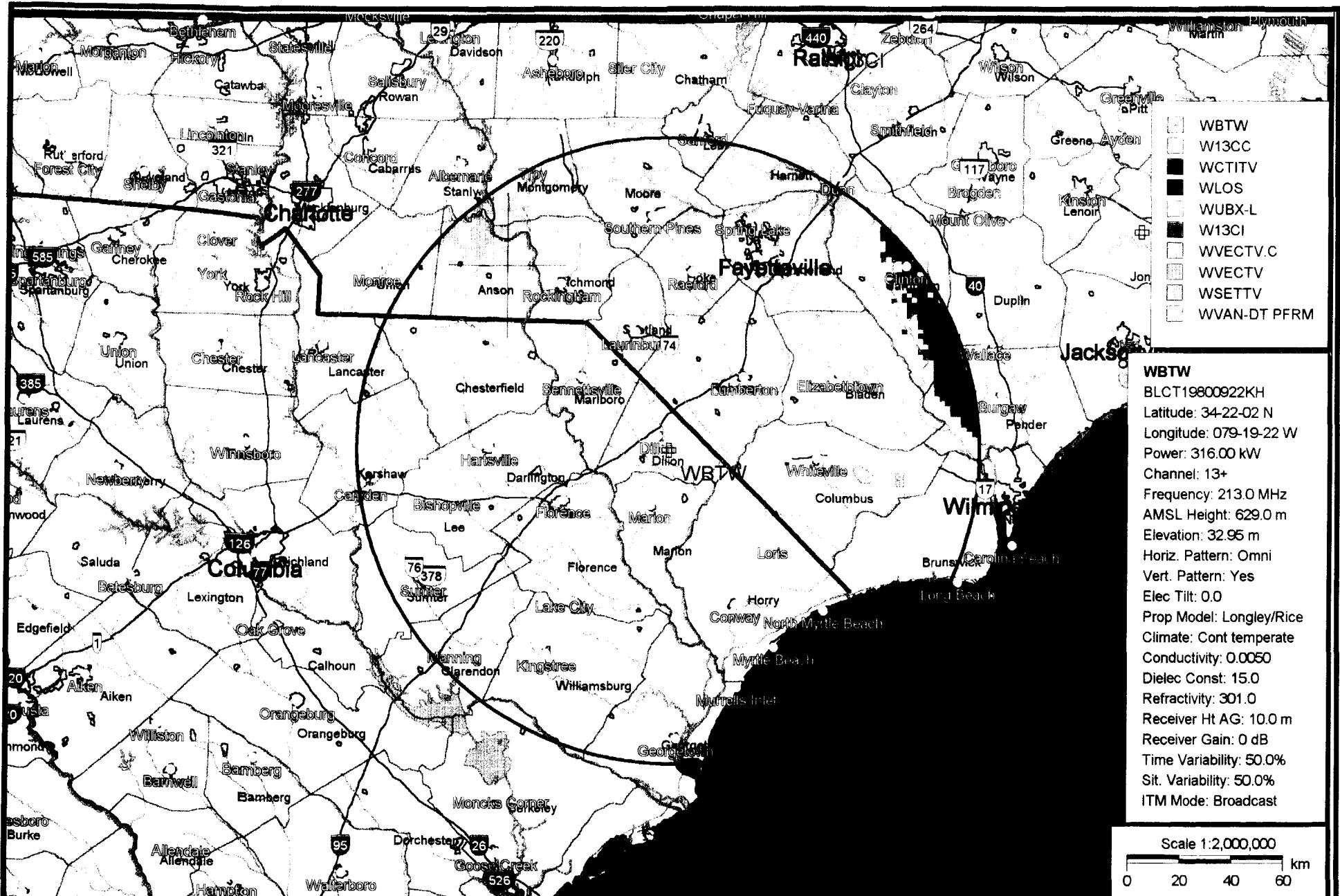
Call Letters	City	State	Dist	Bear
W12CD (12-)	Altamonte Springs	FL	151.6	171.3
W12CD.C (12-)	Altamonte Springs	FL	151.6	171.3
WTLV (12+)	Jacksonville	FL	0.0	0.0
WTVT (13-)	Tampa	FL	280.1	194.0
WMBB (13Z)	Panama City	FL	369.1	272.3
WGMP-L (13-)	Valdosta	GA	179.7	291.0
W13CC (13-)	Savannah	GA	200.7	11.7
WMAZTV (13+)	Macon	GA	334.4	325.8
WVAN-DT PFRM (13)	Savannah	GA	207.8	358.3

Totals for WTLV-D.R (13)

Calculation Area Population:	1,092,783	(28338.1 sq. km)
Not Affected by Terrain Loss:	1,092,410	(28295.7 sq. km)
Total NTSC Interference:	7,784	(630.6 sq. km)
DTV Only Interference:	1,971	(392.9 sq. km)
Total DTV Interference:	1,978	(468.7 sq. km)
Interfered Population:	9,755	(1023.5 sq. km)
Interference Free:	1,082,655	(27272.2 sq. km)
Percent Interference:	0.89	
Terrain Blocked Population:	373	(42.3 sq. km)
Contour Area Population:	1,092,864	



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KESSLER & GEHMAN

TELECOMMUNICATIONS CONSULTING ENGINEERS

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WVAN-DT CHANNEL 13

20010130

SAVANNAH, GA

EXHIBIT 21

V-Soft Communications Population Report

WBTW (13+) Florence, SC
TV Incoming Interference Study
Signal Resolution: 2 km
Consider NTSC Taboo: Yes
KWX error points are considered to be interference free coverage.
of radials computed for contours: 72
Contours calculated using 8 radial HAAT.
LR Profile Spacing Increment: 1.0 km
Interference considered within the reference station's noise limited contour.
Using NTSC lptv/translators D/U rules.
Threshold for reception: 56.0

Study Date: 1/30/01

Percentages calculated using a baseline population of 1,461,928.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WCTITV (12+)	7867	19221	1.315	894.80
WLOS (13-)	20600	54323	3.716	2436.92
WUBX-L (13Z)	41	108	0.007	3.98
WVECTV.C (13-)	3344	10096	0.691	143.73
WSETTV (13Z)	24551	73766	5.046	1860.22

Masking Summary:

Call Letters	Total Interference Population	%	Unique Interference Population	%
WCTITV (12+)	19221	1.315	17150	1.173
WLOS (13-)	54323	3.716	44008	3.010
WUBX-L (13Z)	108	0.007	0	0.000
WVECTV.C (13-)	10096	0.691	11	0.001
WSETTV (13Z)	73766	5.046	52908	3.619

Stations considered which do not cause interference:

W13CC (13-)
W13CI (13Z)

Stations which were not considered:

WVECTV (13-)
WVAN-DT PFRM (13)



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EXHIBIT 21A